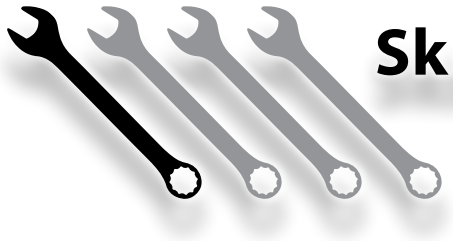
Tesla Model 3/Y Monoball Rear Lower Control Arm Kit Installation Instructions



Skill Level 1: Easy

INSTALLATION NOTES

- **RH** refers to the ***passenger side*** of the vehicle.
- **LH** refers to the ***driver side*** of the vehicle.
- Always use the proper torque specifications.
- If applicable to this installation, torque specifications will be listed throughout the document and at the end as well.
- Please read all of these instructions and familiarize yourself with the complete process **BEFORE** you begin.

GENERAL PREPARATION AND SAFETY INFORMATION

EVANNEX cares about your health and safety, please read the following safety information. This information pertains to automotive service in general, and while it may not pertain to every job you do, please remember and share these important safety tips.

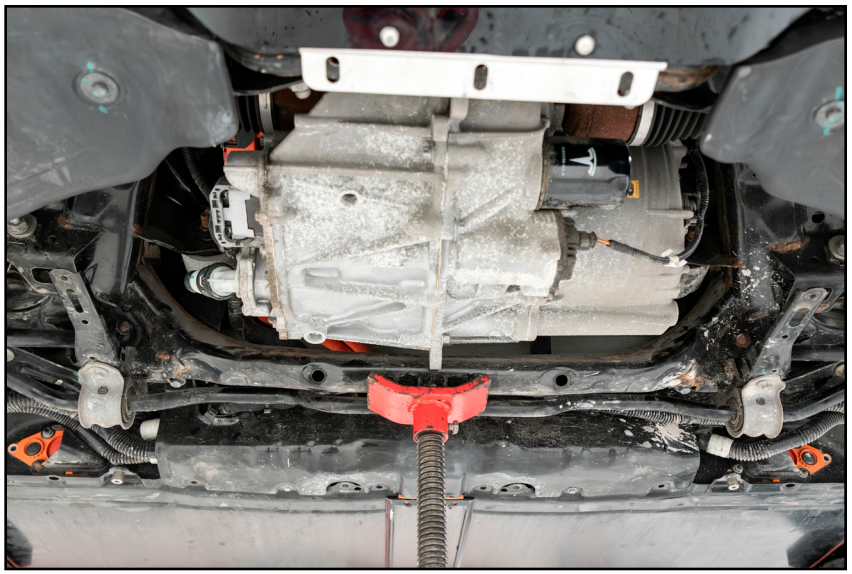
- Park your car in a safe, well lit, level area.
- Shut the engine off and remove the key from the ignition switch.
- Make sure any remote start devices are properly disabled.
- **ALWAYS** wear safety glasses.
- Make sure the parking brake is applied until the vehicle is safely lifted and supported.
- Whether lifting a vehicle using an automotive lift or a hydraulic jack, be sure and utilize the factory specified lift points.
- Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear.
- **ALWAYS** support the vehicle with jack stands.
- **ALWAYS** read and follow all safety information and warnings for the equipment you are using.

NEVER get underneath a vehicle that is supported only by a jack, and ALWAYS make sure that the vehicle is securely supported on jack stands.

REPLACING THE LOWER CONTROL ARM

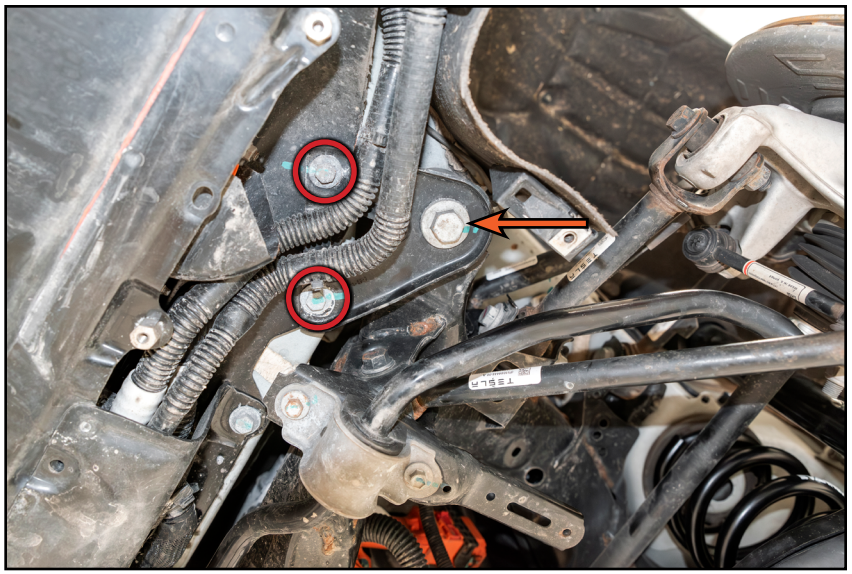
Step 1: Pole Jack

Safely lift and support the vehicle then remove the rear wheels. Support the rear subframe with a jack from below as shown.



Step 2: 13mm, 21mm Socket & Ratchet

Remove the bolt (arrow) that secures the shear plate and subframe to the body, then remove the two bolts (circled in **RED**) that secure the shear plate to the battery.



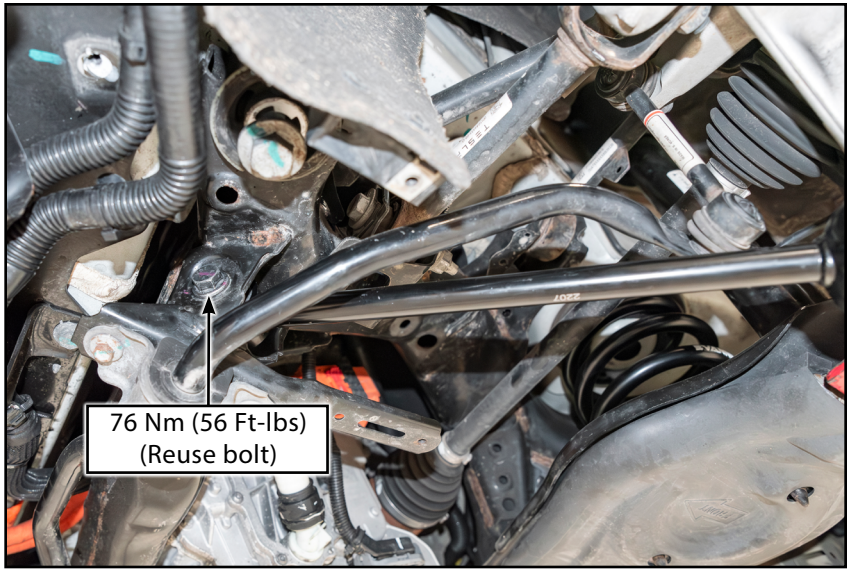
REPLACING THE LOWER CONTROL ARM

Step 3: 21mm wrench, 21mm, 22mm, T45 Torx Socket & Ratchet

Loosen the nut and bolt (circled in **RED**) that secures the lower control arm to the spindle housing, then remove the bolt (arrow) that secures it to the subframe. Pull the factory LCA free from the subframe.

Step 4: 18mm Socket & Torque Wrench

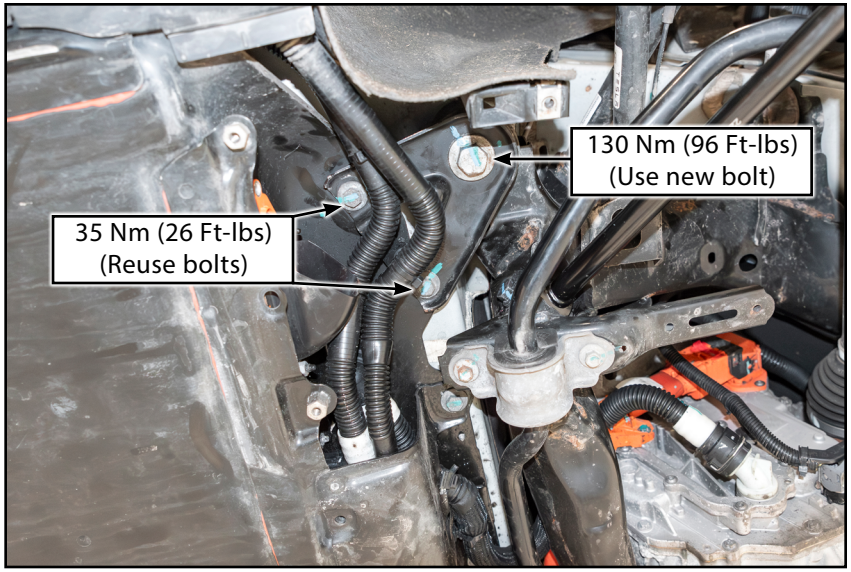
Slide the new monoball LCA into the subframe, ensuring the center sleeve remains in the monoball, then secure it to the subframe with the bolt and torque it to 76 Nm (56 Ft-lbs).



REPLACING THE LOWER CONTROL ARM

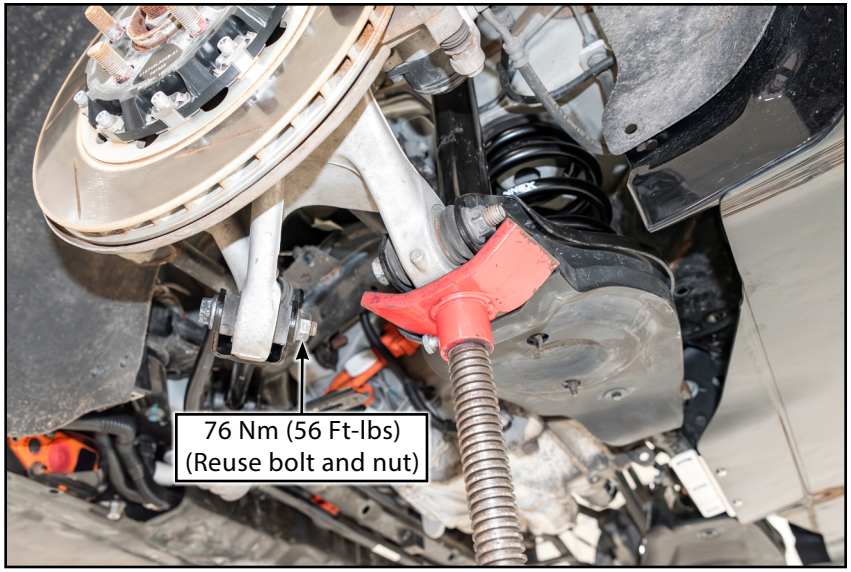
Step 5: 13mm, 21mm Socket & Torque Wrench

Reinstall the shear plate and bolts, then torque the smaller bolts to 35 Nm (26 Ft-lbs), and the larger bolt to 130 Nm (96 Ft-lbs).



Step 6: 18mm Wrench, 18mm Socket & Torque Wrench

Secure the LCA to the spindle housing with the bolt and nut torquing them to 76 Nm (56 Ft-lbs) with the suspension at ride height.



Congratulations, your installation is complete!

Your monoball lower control arm kit installation is complete!

These instructions are provided as a courtesy by: EVANNEX